

C L A I M S

1. An apparatus for improving productivity of human review of an automatically transcribed output generated by an information processing system, wherein the output is generated in response to an input, the apparatus comprising:

- a. means for extracting an attribute from the output; and
- b. means for selecting one of a plurality of human reviewers based on the attribute.

2. The apparatus according to claim 1 wherein the attribute represents a subject matter of the output, and further wherein the human reviewer is selected based on a proficiency in the subject matter of the human reviewer.

3. The apparatus according to claim 1 wherein the attribute represents an author of the input, and further wherein the human reviewer is selected based on a predetermined designation by the author of the input.

4. The apparatus according to claim 1 further comprising means for transmitting the input and the output to the selected human reviewer for review.

5. The apparatus according to claim 1 further comprising means for automatically identifying potential errors contained in the output.

6. The apparatus according to claim 1 wherein the information processing system includes a speech-to-text system.

7. An apparatus for facilitating review of an automatically transcribed document generated by a media conversion system, wherein the document is generated in response to an input, the apparatus comprising:

- a. means for extracting a keyword from the document;
- b. means for selecting one of a plurality of reviewers in response to the keyword; and

7 c. means for transmitting the input and the document to the selected  
8 reviewer for review.

1 8. The apparatus according to claim 7 wherein the apparatus is  
2 configured for coupling to a speech-to-text system.

1 9. The apparatus according to claim 7 further comprising means for  
2 storing a plurality of reviewer profiles, wherein each of the reviewer profiles  
3 corresponds to one of the plurality of reviewers, and further wherein the reviewer  
4 profiles are updated after the reviewer finishes review of the document.

1 10. The apparatus according to claim 9 wherein the keyword represents a  
2 subject matter of the document and further wherein each of the reviewer profiles  
3 includes words commonly used within a specific field of knowledge.

1 11. The apparatus according to claim 10 wherein the keyword represents  
2 a name of an author of the input.

1 12. The apparatus according to claim 10 wherein the means for selecting  
2 compares the keyword with each of the reviewer profiles to select the reviewer  
3 according to a predetermined selection criteria.

1 13. The apparatus according to claim 7 further comprising means for  
2 storing a plurality of user profiles, wherein each of the user profiles corresponds to  
3 one of a plurality of users of the apparatus, and further wherein the user profiles  
4 are adapted dynamically with corrections made by the reviewer.

1 14. The apparatus according to claim 7 further comprising means for  
2 updating a list of available reviewers.

1 15. The apparatus according to claim 7 further comprising:  
2 a. means for analyzing associate portions of the document with a  
3 plurality of confidence levels of conversion accuracy;

- b. means for marking the portions according to a corresponding one of the plurality of confidence levels; and
- c. means for displaying each portion in a predetermined color representing the corresponding one of the plurality of the confidence levels.

16. The apparatus according to claim 15 wherein the means for analyzing is disposed to adaptively process the document according to information stored in the user profiles.

17. The apparatus according to claim 7 further comprising:  
a. means for selecting a portion of the document; and  
b. means for outputting a portion of the input corresponding to the portion of the document.

18. An apparatus for improving productivity of human review of an automatically transcribed document generated by a speech-to-text conversion system, wherein the document is generated from an audio recording recorded by an author, the apparatus comprising:

- a. a controller coupled to the speech-to-text conversion system for selecting an appropriate one of a plurality of human reviewers to review the document wherein, the controller is capable of extracting an attribute from the document representative of a content of the document and further wherein the controller stores a plurality of reviewer profiles corresponding to each one of the human reviewers and provides the selected reviewer in response to the attribute;
- b. a transmission device coupled to the controller for transmitting the document and the audio recording to the selected reviewer;
- c. means for analyzing the transcription to associate portions of the transcription with a plurality of confidence levels of transcription accuracy, wherein each portion is marked according to one of the plurality of confidence levels;

- 18 d. means for selecting one of the portions of the document in response  
19 to a command from the reviewer; and  
20 e. means for playing a portion of the voice recording corresponding to a  
21 selected portion of the transcription.

1 19. The apparatus according to claim 18 wherein the controller also stores  
2 a list of available reviewers, and further wherein the controller selects the selected  
3 reviewer in response to comparing the attribute with the reviewer profiles and the  
4 list of available reviewers.

1 20. The apparatus according to claim 18 wherein the attribute comprises a  
2 list of keywords representative of a subject matter of the document and further  
3 wherein each of the reviewer profiles comprises words relevant to the subject  
4 matter.

1 21. The apparatus according to claim 18 wherein the attribute comprises a  
2 name of the author of the voice recording and further wherein each of the reviewer  
3 profiles comprises a list of authors that a corresponding reviewer has served.

1 22. The apparatus according to claim 18 further comprising:  
2 a. means for establishing a connection between an author of the voice  
3 recording and the reviewer; and  
4 b. displaying the document to solicit comments from the author.

1 23. The apparatus according to claim 18 wherein the means for analyzing  
2 is disposed to adaptively process the document according to information stored in  
3 the user profiles.

1 24. The apparatus according to claim 18 further comprising a means for  
2 displaying for displaying the document for the reviewer.

1 25. The apparatus according to claim 24 wherein the means for displaying  
2 comprises a color monitor.

1 26. The apparatus according to claim 18 wherein the means for selecting  
2 comprises a speech recognition system for receiving verbal commands from the  
3 reviewer.

1 27. The apparatus according to claim 18 wherein each portion of the  
2 document is displayed in a color representing a corresponding confidence level.

1 28. The apparatus according to claim 18 wherein the means for playing  
2 further comprises means for varying a playback speed of the voice recording.

1 29. A method of improving productivity of human review of an  
2 automatically transcribed document generated by an information processing  
3 system, wherein the document is generated in response to an input, the method  
4 comprising the steps of:  
5 a. extracting an attribute from the document; and  
6 b. selecting one of a plurality of human reviewers based on the attribute.

1 30. The method according to claim 29 wherein the step of selecting  
2 includes comparing the attribute with a plurality of reviewer profiles each  
3 corresponding to a respective one of the plurality of reviewers.

1 31. The method according to claim 29 wherein the step of selecting  
2 includes the steps of:  
3 a. identifying an author of the input;  
4 b. retrieving stored data about the author, wherein the stored data  
5 includes a roster of the reviewers who have previously served the  
6 author; and  
7 c. choosing one of the reviewers from the roster.

- 1 32. The method according to claim 29 further comprising the steps of:  
2 a. automatically identifying a portion of the document which is potentially  
3 erroneous;  
4 b. playing an audio portion of the voice recording corresponding to the  
5 portion of the document upon a command of the human reviewer; and  
6 c. making corrections to the document.

- 1 33. The method according to claim 32 wherein the audio portion of the  
2 voice recording is played back at a reviewer selectable speed.

- 1 34. The method according to claim 29 further comprising the steps of:  
2 a. analyzing the transcription with a plurality of confidence levels of  
3 transcription accuracy; and  
4 b. displaying each of the portions in a predetermined color according to  
5 the confidence level.

- 1 35. The method according to claim 29 further comprising the step of  
2 automatically correcting grammatical and typographical errors of the transcription.

- 1 36. The method according to claim 29 further comprising the steps of:  
2 a. establishing a connection between an author of the voice recording  
3 and the reviewer; and  
4 b. displaying the transcription to the author to solicit comments.